

Chemistry Pretest 3.3 part 2

1. What two products are created by reacting the following acid and base?



2. Find the pH and pOH of a 0.15 M solution of KOH, which is a strong base.
3. The pH of a 0.050 M solution of ortho-hydroxybenzoate ($\text{C}_7\text{H}_6\text{O}_3$) is 7.83. Find the K_b of this weak base.
4. The K_{sp} of $\text{Nd}_2(\text{CO}_3)_3$ at 25 °C is 1.08×10^{-33} . What is the solubility of this substance in g/L?
5. 1.94×10^{-5} g of yttrium hydroxide, $\text{Y}(\text{OH})_3$, dissolve in 100 ml of aqueous solution. What is its K_{sp} ?